OM JODHPURKAR

Los Angeles, CA | **Citizenship: American** | Github: infinity811 | (571) 707-0583 | jodhpurk@usc.edu | LinkedIn: omjodhpurkar

Fun fact: Western classical singer and BeatBoxer with a YouTube channel with 10+ songs and 20k+ views across all social media

---

EDUCATION

University of Southern California, USA   August 2023 – May 2025
Master of Science - Applied Data Science   GPA: 3.50

Shri Ramdeobaba College of Engineering and Management, India   June 2019-May 2023
Bachelor of Technology - Computer Science and Engineering   GPA: 9.01/10

WORK EXPERIENCE

Smarsh   Jun 2024 – Present
Applied Machine Learning Intern   Remote, USA
- Developed and optimized anonymization script using LLM integration to identify and mask sensitive entities in text, improving accuracy of multi-word entity recognition and handling in datasets.
- Created a library to seamlessly migrate data to AWS S3 and integrate it with data labeling tools.
- Evaluated state-of-the-art LR and XLMR (RoBERTa) models to enhance accuracy and implemented data quality improvements.

InfoCepts   Jun 2021 - Jul 2021 and Mar 2023 - Jun 2023
Data Science Intern   Nagpur, India
- Utilized ML algorithms & statistical methods (Linear Regression, Decision Trees, Random Forest, XGBoost) to study the correlation between weather data and bike rental demands for an international client project.
- Performed detailed Exploratory Data Analysis, Data Visualization & Feature Engineering and HyperParameter Tuning to build predictive models based on historical usage patterns & identify potential new customers.
- Gathered real raw data, cleaned it, and devised solutions to optimize office space and reduce functional costs.

Oasis Pro Markets   Jan 2023 - Mar 2023
Blockchain Intern   Remote, USA
- Metamask Integration using Moralis and Alchemy with Alternate Trading Marketplace
- Created ERC20 Tokens, Escrow contracts with Web3.js.

Simple CRM   Nov 2021 - Jan 2022
Data Science Intern   Nagpur, India
- Worked with senior ML specialists to develop a self-learning email spam filtering system using NLP and Naive Bayes algorithm on a considerably large dataset.
- Worked on sentiment analysis in python to analyze the severity of fraudulent activity in the spam emails.

ACADEMIC PROJECTS

Driver Drowsiness Detection   Jan 2022 – Dec 2022
- Developed a deep learning-based drowsiness detection system for drivers using OpenCV, Python and Mediapipe to raise alerts to notify the driver and prevent potentially fatal accidents. Resulting to reduced accidents on roads.
- ICRSTT Publication: Presented review paper titled Drowsiness Detection System' at International Conference and filled for patent at Indian Patent Office.

Song Recommendation System with Spotify (2022-2023)   Jan 2023
- Working on content-based filtering Recommendation system using Spotify playlists data that involves the procedure of feature preprocessing, feature generation, and recommendation modeling. Used Scikit learn to measure similarity for playlist vector and basic sentiment analysis using textblob library.

SKILLS

- Gen AI: OpenAI Api, Llama Api, Bert Models (Hugging Face Api)
- Programming and Scripting: Python (Cisco certified), PySpark, Javascript, iOS - Swift, Solidity, Ethereum, C, Java, Selenium, AWS Ai practitionner certification (Ongoing)
- DBMS: MySQL, PostgreSQL | Cloud Services: AWS, Google-Cloud, Azure, Firebase, Heroku
- Software Packages: OpenCV, Pandas, Numpy, MatPlotLib, Tableau, Django, NLTK, RaspberryPi v4, Power BI